

Claims

1. A method for implementing charging communication services, comprising:

Step A: determining a plurality of expression factors related with charging, and configuring respectively corresponding expressions for charging rules which
5 correspond to various communication scenes based on the expression factors;

Step B: reading a communication record corresponding to the communication scene, and obtaining the values of the expression factors by analyzing the communication record;

Step C: matching the values of the expression factors to the expressions
10 corresponding to various charging rules, and obtaining an expression matching the values; and

Step D: determining a charging rule corresponding to the expression obtained in Step C, and calculating the fees according to the charging rate corresponding to the charging rule.

15 2. The method according to Claim 1, wherein, in Step A, determining a plurality of expression factors related with charging, comprises:

determining the expression factors based on the service type of the communication scene.

20 3. The method according to Claims 1 or 2, wherein, the expression factors related with charging comprises at least one factor of:

calling number, called number, communication time, communication duration, home city of the calling, visited city of the calling, home city of the called, visited city of the called, home province of the calling, visited province of the calling, home province of the called, visited province of the called, home country of the calling,
25 visited country of the calling, home country of the called, visited country of the called.

4. The method according to Claim 1, wherein, in Step A, configuring respectively corresponding expressions for the charging rules, comprises:

configuring the expressions with the expression factors and operators in accordance with logical syntax rules.

5 5. The method according to Claims 1 or 4, wherein, in Step A, configuring respectively corresponding expressions for the charging rules, comprises:

saving the expressions and the charging rules thereof in a way of one-to-one correspondence.

6. The method according to Claim 1, wherein, Step C comprises:

10 assigning the values to each of the expressions corresponding to the charging rules, performing the operation of the expressions assigned with expression factors' values, and based on the operation result, determining the expressions, which satisfy the logical relationship after being calculated with the values of the expression factors, as the expressions matching to the expression factors' values.

15 7. The method according to Claim 1, in Step D, calculating the fees according to the charging rule, further comprising: outputting a document of Call Detail Records (CDRs).

8. The method according to Claim 1, further comprising: modifying expressions corresponding to the charging rules.

20 9. The method according to Claim 1, further comprising: configuring new expressions for new charging rules.

10. The method according to Claim 1, wherein, determining a plurality of expression factors related with charging, comprises: determining the expression factors in accordance with a uniform rule; and configuring respectively corresponding expressions, comprises: configuring respectively corresponding expressions in
25 accordance with a uniform rule.

11. A system for charging communication services, comprising at least a charging module for calculating fees based on the charging rate corresponding to a

charging rule, and further comprising an expression analyzer, wherein:

the charging module is further configured to determine a plurality of the expression factors related with charging, and providing the expression factors for configuring expressions for various charging rules; the charging module is further
5 configured to read a communication record, obtain the values of the expression factors by analyzing the communication record, and provide the values of the expression factors for the expression analyzer; and

the expression analyzer is configured to acquire the corresponding expressions for various charging rules, determining the expression matching to the values of the
10 expression factors obtained from the charging module, and returning the charging rule corresponding to the determined expression to the charging module.